

MEAL COOLER CENTRIFUGAL SEPARATOR

ABSTRACT OF THE DISCLOSURE

A particulate capture system having a plurality of high speed rotating paddles for separating particulate from an air stream. The system includes an air circulating chamber within a centrifuge that separates a first portion of particulate trapped within an air stream. The particulate capture system also has a blender section that separates a second portion of particulate trapped within the air stream. The first portion of particulate is separated via circulating air flow. The second portion of particulate is separated via encapsulating the particulate in water. The water encapsulated particles may be recirculated to a cooler or other device where the particulate may be blended with a bulk product being processed.

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